PTO/SB/05 (01-04)

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## UTILITY PATENT APPLICATION **TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

	The state of the s			
Attorney Docket No.	I-2-0256.2US Prabhakar R. Chitrapu			
First Inventor				
Title	COGNITION MODELS FOR WIRELESS COMMUNICATION SYSTEMS AND METHOD AND APPARATUS FOR OPTIMAL UTILIZATION OF A RADIO CHANNEL BASED ON COGNITION MODEL DATA			
Everess Mail Labol No.	EV442788196US			

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO:  Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450						
1.   Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) Applicant claims small entity status. See 37 CFR 1.27.  Specification [Total Pages 14 ] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure	7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)  8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)  a. Computer Reader Form (CRF)  b. Specification Sequence Listing on:  i. CD-ROM or CD-R (2 copies); or  ii. Paper  c. Statements verifying identity of above copies  ACCOMPANYING APPLICATION PARTS						
4.	9. Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement Power of (when there is an assignee) Attorney 11. English Translation Document (if applicable) 12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations 13. Preliminary Amendment 14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.  17. Other:						
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:   Continuation Divisional Continuation-in-part (CIP) of prior application No.: 10/305,048							
Prior application information: Examiner Afshar, Kamran Art Unit: 2681  For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.  19. CORRESPONDENCE ADDRESS							
19. CORRESPOND	DENCE ADDRESS						
Customer Number: 24374	OR Correspondence address below						
Name VOLPE AND KOENIG, P.C., DEPT ICC							
Address							
City	State Zip Code						
Country	elephone Fax						
Name (Print/Type)   John C Donoh Jr.	Registration No. (Attorney/Agent) 43,593						
Signature	Date 2 7 7001						

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is the file (and by the USPTO to process) an application (Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

## Express Mail Label No. EV442788196US

PTO/SB/17 (10-03)
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## FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** 

(\$) 1,628.00

Complete if Known					
Application Number	Not Yet Known				
Filing Date	Not Yet Known				
First Named Inventor	Prabhakar R. Chitrapu				
Examiner Name	Not Yet Known				
Art Unit	Not Yet Known				
Attorney Docket No.	I-2-0256.2US				

METHOD OF PAYMENT (check all that apply)			FEE CALCULATION (continued)						
Check Credit card Money Other None			3. A	3. ADDITIONAL FEES					
Corder Order		<u>Large</u>	Large Entity   Small Entity						
Denosit		Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid		
Account Number		09-0435		1051	130	2051		Surcharge - late filing fee or oath	Fee Faiu
Deposit Account	InterDigital C	Communications Corp	ooration	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
Name The Director is authorized to: (check all that apply)			1053	130	1053	130	Non-English specification		
Charge fee(s)			verpayments	1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
		) or any underpayment of	fee(s)	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.			1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action		
FEE CALCULATION				1251	110	2251	55	Extension for reply within first month	
1. BASIC FIL				1252	420	2252	210	Extension for reply within second month	<b></b>
Large Entity Sm	nall Entity			1253	950	2253	475	Extension for reply within third month	
Fee Fee Fe Code (\$) Co	<u>ee Fee                                 </u>	ee Description	Fee Paid	1254	1,480	2254	740	Extension for reply within fourth month	
	001 385	Utility filing fee	[ <del>                                      </del>	1255	2,010	2255	1,005	Extension for reply within fifth month	
1002 340 20	002 170	Design filing fee	770.00	1401	330	2401	165	Notice of Appeal	
1003 530 20	003 265	Plant filing fee		1402	330	2402	165	Filing a brief in support of an appeal	
1004 770 20	004 385	Reissue filing fee		1403	290	2403	145	Request for oral hearing	
1005 160 20	005 80	Provisional filing fee		1451	1,510	1451	1,510	Petition to institute a public use proceeding	
SUBTOTAL (1) (\$) 770.00			1452	110	2452	55	Petition to revive - unavoidable		
2 EVERA CI		FOR UTILITY AND		1453	1,330	2453	665	Petition to revive - unintentional	
Z. EXTRA CL		Fee from	m	1501	1,330	2501	665	Utility issue fee (or reissue)	
Total Claims	39 - 20	Extra Claims below = 19 x 18.00		1502	480	2502	240	Design issue fee	
Independent			342.00	1503	640	2503	320	Plant issue fee	
Claims Multiple Depend		= 6 x 86.00	=516.00	1460	130	1460	130	Petitions to the Commissioner	
1036.00			1 <u>858.00</u>	1807	50	180	7 50	Processing fee under 37 CFR 1.17(q)	
Large Entity   Fee Fee	Small Entity Fee Fee	Fee Description		1806	180	1806		Submission of Information Disclosure Stmt	
Code (\$) 1202 18	Code (\$) 2202 9	Claims in excess of 20		8021	40	802 <sup>-</sup>	1 40	Recording each patent assignment per property (times number of properties)	
1202 16	2202 9	Independent claims in e	excess of 3	1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1203 290	2203 145	Multiple dependent clair		1810	770	2810	385	For each additional invention to be	
1204 86	2204 43	** Reissue independent over original patent	claims	1801	770	2801	385	examined (37 CFR 1.129(b))  Request for Continued Examination (RCE)	
1205 18	2205 9	** Reissue claims in exc and over original pate	cess of 20 ent	1802	900	1802		Request for expedited examination of a design application	
	SHET	TOTAL (2) (\$) 8	358.00	Other	fee (sp	ecify) _			
SUBTOTAL (2) ((\$) 858.00 **or number previously paid, if greater; For Reissues, see above				*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0					

SUBMITTED BY		(Complete	(Complete (if applicable))					
Name (Print/Type)	Type) John C. Donch Jr.		. 1	Registration No. (Attorney/Agent) 43,593	Telephone	Telephone 215-568-6400		
Signature					Date	322004		

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